Abstract

Voting is an integral part of a democratic society. It is a decision making mechanism and security plays an important role in voting. In order to ensure high security, voting machine should be designed and developed with great care. According to Election authorities of India, paperless electronic voting systems are suffering from much vulnerability. By accessing the machines Election insiders and fraudsters are altering the election results. There is a need of voting system which is robust and secure. Here, an idea is proposed to upgrade the present voting system that is based on biometric traits (Iris, Fingerprint) of voter which are saved in a government database as Aadhar (U-id) number database. But one cannot have access to Aadhar (U-id) number Data base since it is a govt. Stored data base. So, a virtual data base is created here which is called as RFID number data base. This RFID number data base resembles the Aadhar (U-id) number data base. This data base includes the biometric traits of Voters. These biometrics traits provide secure and feasible authentication to the voters, thus preventing the fraud and illegal voting.
References


Index Terms

Computer Science

Security

Keywords

Aadhar, RFID, Biometrics, GUI